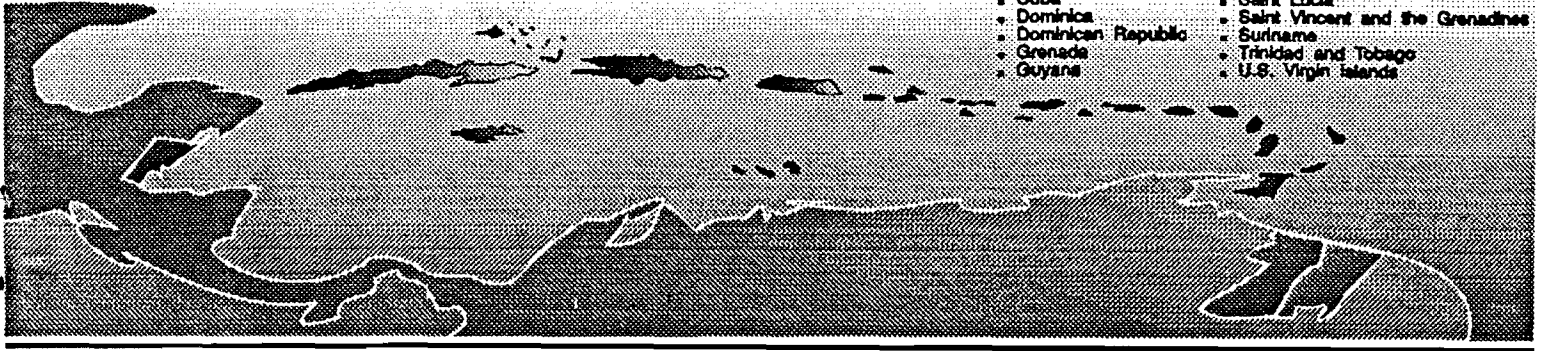




UN ECLAC/CDCC

- Antigua and Barbuda
- Aruba
- Bahamas
- Barbados
- Belize
- Br. Virgin Islands
- Cuba
- Dominica
- Dominican Republic
- Grenada
- Guyana
- Haiti
- Jamaica
- Montserrat
- Netherlands Antilles
- Puerto Rico
- Saint Kitts and Nevis
- Saint Lucia
- Saint Vincent and the Grenadines
- Suriname
- Trinidad and Tobago
- U.S. Virgin Islands



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## CARIBBEAN COUNCIL FOR SCIENCE AND TECHNOLOGY

Proposed Activities of the CCST Secretariat for 1998  
Port of Spain, Trinidad and Tobago

## PROPOSED ACTIVITIES OF THE CCST SECRETARIAT FOR 1998



UNITED NATIONS

ECONOMIC COMMISSION FOR LATIN AMERICA AND THE CARIBBEAN  
Subregional Headquarters for the Caribbean

CARIBBEAN DEVELOPMENT AND COOPERATION COMMITTEE

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## PROPOSED ACTIVITIES OF THE CCST SECRETARIAT FOR 1998

The following gives an indication of the proposed activities of the Secretariat of the Caribbean Council for Science and Technology (CCST) during 1998.

### Activities/projects identified by the CCST

#### 1. Renewable energy

The activity of the secretariat in this area is largely dependent on two factors; (a) the responsiveness of donor agencies to the project outlines which have been sent to them; and (b) the response of CCST member countries to requests to indicate their interest in having the CCST coordinate regional activity under a Memorandum of Understanding (MOU) between the Inter-American Development Bank (IDB) and the United States Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy to encourage economic growth, improve environmental quality and promote use of renewable energy and energy efficiency technologies in Latin America and the Caribbean. Discussions with the Coordinator of activities under the MOU indicated interest only in large regional projects. Two such projects which have been identified by the secretariat on the basis of project outlines prepared at the 1996 Workshop on Investment Funding for Renewable Energy and Energy Efficiency Projects in the Caribbean, are :

*Promotion of wind energy in the Caribbean* - policy support and pilot farm development. The major components would be :

- Pilot wind farm development;
- Study on avoided costs of wind energy use in the Caribbean;
- Study on financing wind energy development in the Caribbean.

The total estimated cost of this project is US\$220,000 over two years

*Promotion of energy efficiency and renewable energy use.* The major components would be:

- Developing an energy efficiency culture (promotion of the energy service industry through training);
- Demand Side Management (DSM) for Caribbean utilities (targeting the domestic consumers) and development and evaluation of evaluation criteria and protocol for DSM (to assist government and utilities to become self-sufficient in efforts at DSM);
- Energy efficiency and renewable energy for the tourism industry (targeting the hotels).

The total estimated cost of this project is US\$1,550,000 over two years. Member countries are requested to respond, if it is felt that such activity can benefit the region.

The secretariat has been approached by the Latin American Energy Organization (OLADE)

to co-host a meeting on renewable energy, to be held in April 1998. It is envisaged that the workshop will be a forum to discuss problems relating to the promotion of renewable energy and energy efficiency programmes in the region. The total estimated cost of this meeting is US\$50,000.

It is evident that efforts of the CCST in conjunction with the Subregional Office for the Caribbean of the United Nations Educational, Scientific and Cultural Organization (UNESCO) have not met with the success anticipated. It is necessary to continue promotional work in order to achieve the objectives agreed upon at the Caribbean High Level Workshop on Renewable Energy and Energy Efficiency Technologies, held in Saint Lucia during 1994.

## **2. Programme for the improvement of teaching science and mathematics**

This project has the objective of enhancing the capacity of teachers in Caribbean countries in the teaching of science and mathematics, including the use of the Internet as a teaching tool.

Project activities will start in late January/early February with a meeting of the joint planning committee. A pilot workshop on the use of the Internet as a teaching tool will be held in May, and the training workshop for Group 1 countries in July/August. Seven countries will be represented in each of two groups, Group 2 country representatives being trained in 1999. The countries to be represented in Group 1 will depend on the timeliness of the responses for nominations for the workshop. The workshop evaluation will take place in October, with Holiday Academies (training at the national level) during Christmas and Easter vacations.

The total estimated cost of this project is US\$435,000 over two years. It has received funding from the Organization of American States (OAS) to the amount of US\$421,000.

## **3. Revision of regional policy for science and technology**

This activity has been undertaken at the request of the Prime Minister of Grenada, Honourable Dr Keith Mitchell, current CARICOM Head of Government with responsibility for science and technology and human resources development. The policy will be revised with the inputs of a team of experts and a workshop on the determination of priorities in science and technology. The policy will be delivered to the CARICOM Heads of Government meeting in July, with a report on progress in its revision given at the interim meeting.

The team of experts is expected to meet in late January/early February. Persons invited to serve on the team represent a cross section of sectors, interest groups and perspectives, and number 12 in all.

The total cost of this activity is estimated to be US\$9000. Funding has not yet been identified.

#### **4. Project on the determination of priorities for science and technology**

This project is intended to achieve :

- Identification of critical areas for intervention in science and technology in the development process of the Caribbean;
- Prioritizing these areas in the context of limited resources for implementation at the national levels;
- Identifying institutions, persons and mechanisms for collaboration;
- Identifying possible new sources and mechanisms for funding in the implementation of projects and programmes.

It will produce :

- Documented strategies for implementation of specific action within the policy framework;
- Documented priorities at the national level for implementation of the regional policy;
- Website making database on institutions and services available to the public.

A questionnaire will be re-administered and the responses analyzed and a database of institutions established by April. Website design and construction is expected to begin in May, while the workshop is planned to be held at the beginning of June.

Country representatives who attended the workshop on priority setting, held in Port of Spain during April 1996, will be requested to apply the methodology to their respective countries for science and technology, and provide a report along stated guidelines to be provided by the secretariat. These will be compiled by the secretariat to identify common national priorities which can be addressed by a regional policy.

The total estimated cost of this project is US\$77,040 over one year. Indications of support from the Perez Guerrero Fund have been received, but the levels of support have not yet been communicated to the secretariat.

#### **5. Project on food processing and fresh preservation of foods**

The objective of this project is to facilitate and promote processing and preservation of foods in the Caribbean through cooperation between the countries. The main activities will be the establishment of a network of food technology institutions and other information networks, for information dissemination and to undertake training activity.

Project activity is expected to commence in early 1998, with the preparation of technological packages and other publications. A meeting of food enterprises and small business facilitating organizations will be held in November. Translation, publication and dissemination of documentation, design and establishment of a home page on the Internet on food technology and a technical mission

to examine the agricultural and sea-food sectors will complete activities under this project for its first year.

The total estimated cost of the project is US\$560,900 over two years. The project has received funding from the OAS to the amount of \$287,700.

#### **6. Meeting of ministries on integrated planning and new technologies for sustainable development**

The immediate objectives are to:

- Identify key issue regarding the sustainability of development plans, with particular emphasis on the role of technology;
- Examine the perspectives and roles of key actions, and relationships, with particular attention to Sustainable Development Councils in Developing countries;
- Identify appropriate policies, strategies, tools and administrative and legal instruments for enhancing the integration of planning and technological planning for sustainable development.

The expected outputs are:

- A series of case studies on integrated planning in developing countries;
- Guidelines for the role and functioning of sustainable development councils in small developing countries;
- Documented recommendations for appropriate policies, strategies, tools and administrative and legal instruments for enhancing integration of planning and technological planning for sustainable development.

Preparatory activity for the workshop is expected to start in July, with the meeting being held in mid-October. The total cost is estimated at US\$103,500. It has received funding from the Perez Guerrero Fund to the amount of US\$37,560.

#### **7. Training workshop on project preparation and management.**

This activity is a follow up to a 1995 workshop on project preparation and management, held in conjunction with the Caribbean Development Bank (CDB). This was well received, and a similar workshop is planned for September, which will target upper-level management in organizations dealing with science and technology.

The total cost of this activity is expected to be US\$16,000. No funding has yet been identified.

## **8. Follow-up to integrated water resources meeting**

The Seminar/Workshop on Integrated Water Resources Management : Institutional and Policy Reform, was held in Port of Spain, 24-27 June 1997. Participants made a number of recommendations dealing with the management of the supply, management of impacts, policy characteristics and tools, public participation and communication. Two specific follow-up activities have been identified by the secretariat. These are: (a) a programme for the popularization of best practices in integrated water resources management, using the popular media to disseminate information on best practices; and (b) a workshop on demand management for utilities. The activities are currently being outlined for forwarding to the World Bank Economic Development Institute (EDI), which will collaborate in the design, funding and implementation of the activities.

These activities are estimated to cost approximately US\$100,000 over two years.

## **9. Establishment of Entrepreneurial Development Centres for the OECS**

The main objective of this project is to provide technical and technological information and assistance to small businesses in the Organization of Eastern Caribbean States (OECS).

To date, prospective extensionists have been trained, and partner agencies in the project have been brought together to determine their inter-relationships and roles in the project. Based on positive discussions with the European Union (EU), the next step will be the detailed design of the day-to-day operations of the project. This will be undertaken by consultants with experience in establishing and operating similar services in other countries. This activity is expected to commence by the second quarter of 1998, and to be completed by mid-1998. Subsequent to this, partner agencies are expected to make the necessary adjustments to their operations, and prepare themselves to launch the project by April 1998.

The total cost of this project is US\$7,200,000 over three years. Funding available through the STABEX funds of the participating countries is estimated at US\$2,000,000.

## **10. Diversification of the banana industry.**

The objective of this activity will be to assist the banana-producing countries of the Caribbean in their efforts at diversification of the banana industry. Following up from discussions at the 1997 Workshop on Alternative Uses of Banana and Banana Products, two major activities are expected to be implemented: these are: (a) an analysis of the banana industry, and preliminary assessment of the potential of the technologies identified at the banana workshop; and (2) a pilot project on the production of banana plant fibres. Activities are expected to commence in March 1998.

The total cost of these activities is estimated at \$138,000, to be funded by the United Nations Development Programme/Technical Cooperation among Developing Countries (UNDP/TCDC) Unit and STABEX funds of the participating countries.

## 11. Meeting of ministers responsible for science and technology

This meeting has been mandated by the CCST plenary, and is being organized in conjunction with the CARICOM Secretariat. This meeting will consider the revised science and technology policy, and discuss problems of implementation of the various plans of action agreed to by governments at various regional and international forums, such as the Bolivia and Cartagena Summits. It is expected to take place in mid-1998.

The total estimated cost of the meeting is US\$55,000. No funding has yet been identified.

### **ECLAC work programme activities**

These activities have been identified under the ECLAC work-programme for 1998-1999. The activities to be undertaken in 1998 and anticipated sources of funding are listed below. Where ECLAC is indicated as a source of funding, estimated costs do not reflect confirmed allocations from ECLAC's regular budget.

- Document on operation and management of organizations working in science and technology, including an evaluation of effectiveness of subregional networks. To be undertaken in March. Estimated cost: US\$6000. Source of funding: ECLAC regular budget and other funds to be mobilized
- Study on the technological dimensions of economic diversification and development. To be undertaken in March. Estimated cost: US\$6000. Source of funding: ECLAC regular budget and other funds to be mobilized
- Publication of CCST newsletter (4 issues, quarterly). To be undertaken throughout the year. Estimated cost: US\$2000. Source of funding: CCST funds
- Twenty-second meeting of Executive Committee. To be held in mid-June. Estimated cost: US\$6000. Source of funding: ECLAC regular budget and CCST funds
- Sixteenth Plenary Session of the CCST. To be held in December 1998. Total estimated cost: US\$9500. Source of funding : ECLAC regular budget and CCST funds
- Twenty-third meeting of the Executive Committee. To be held in December 1998. No additional cost expected (to be held in conjunction with plenary)
- Study on the promotion and adoption of new technologies within the context of sustainable development, including renewable energy technologies. To be undertaken in September.



Estimated cost: US\$6000. Source of funding: ECLAC regular budget and other funds to be mobilized.

### **Summary of financial resources and requirements**

The table overleaf indicates the proposed activities, estimated costs of mobilizing resources to implement the activities, estimated costs of implementation, funding secured and additional resources required for implementation.

It indicates that the total resources still required by the secretariat to undertake activities for which it will be directly responsible and to mobilize resources for activities to be implemented by other agencies is US\$230,240 for CCST-identified activities, and US\$35,000 for ECLAC work programme activities.

While these figures may be decreased with allocations from the ECLAC budget and additional funds mobilized, it will be necessary for member countries to bring their contributions up to date where arrears exist.

Total contributions due for 1998 are US\$60,000, while arrears to date total US\$222,517.51.

Proposed Activity	Resource mobilization costs	Activity cost	Funding secured for activity	Resources required by secretariat
	US\$ 000			
Activities identified by the CCST				
1. Renewable Energy	2.50	1830.00		2.50
2. Programme for the improvement of teaching of science and mathematics		435.80	421.00	
3. Revision of regional policy for science and technology		9.00		9.00
4. Project on the determination of priorities for science and technology	1.00	77.04		77.04
5. Project on food processing and fresh preservation of foods		560.90	287.70	
6. Meeting of ministries on integrated planning and new technologies for sustainable development	0.50	103.50	37.56	66.00
7. Training workshop on project preparation and management	0.20	16.00		16.20
8. Follow-up to integrated water resources meeting	1.00	100.00		1.00
9. Establishment of Entrepreneurial Development Centers for the OECS	2.00	7200.00		2.00
10. Diversification of the banana industry	1.00	138.00		1.00
11. Meeting of ministers responsible for science and technology	0.50	55.00		55.50
TOTAL	8.70	10525.24	746.26	230.24
ECLAC work programme				
Document on operation and management of organizations working in science and technology		6.00		6.00
Study on technological dimensions of economic diversification and development	0.50	6.00		6.50
Publication of CCST newsletter				
Twenty-first meeting of Executive Committee		6.00		6.00
Sixteenth Plenary Session of the CCST		9.50		9.50
Study on the promotion and adoption of new technologies within the context of sustainable development, including renewable energy technologies	1.00	6.00		7.00
TOTAL	1.50	33.50		35.00



